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47. (new)A composition comprising:

(-) 3-[4-[2-phenoxazin-10-yl)ethoxy]phenyl-2-ethoxypropanoic acid, arginine 0.353%

Lactose

87.65 %

Polyethylene glycol 6000

7%

Talc

5 %

48. (new)A composition comprising:

(-) 3-[4-[2-phenoxazin-10-yl]ethoxy]phenyl-2-ethoxypropanoic acid, arginine 7.075%

Lactose

80.95%

Polyethylene glycol 6000

7%

Talc

5 %

REMARKS

Claims 1-25 are pending in the above-referenced application. These claims have been cancelled. New claims 26-48 has been added to more distinctly claim that which Applicants regard as the invention. New claims 26 and 27 correspond to prior claims 4 and 5. Claim 28 recites a specific embodiment. New claims 29-48 generally correspond to prior claims 6-25.

1. The Rejections Under 35 U.S.C. §112

Claims 1, 4-6, 11-12, 19 and 22 have been rejected under 35 U.S.C. 112, second paragraph as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. It is asserted that the term "low water content" in claims 4, 6, 11 and 12 is a relative term, which renders the claim indefinite; that the term "(very) low water content" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention;

that the terms "low (water) vapor pressure" and "low oxygen pressure" in claims 5 and 19 are indefinite because it does not provide the exact extent or level of pressure required for the steps to be carried out in the process for the preparation.

Applicants respectfully traverse the rejection. However, in order to advance prosecution, claims 1-25 have been cancelled. New claims 26-48 have been added. New claim 26 recites that the mixture is compressed with excipients of a water content below about 1%; claim 27 recites that the steps are carried out at water vapour pressure below about 40% and oxygen pressure below about 10%; claim 29 recites that the composition comprises pharmaceutically acceptable excipients with water content below about 1% and an antioxidant. New claims 26, 27 and 29 are supported by the specification on page 4, lines 24-26 and page 5, lines 23-25.

It is further asserted that the term "Tablettose" in claim 22 is indefinite because it is confusing and unclear as to whether one of ordinary skill in the art would recognize theterm. The Examiner has requested Applicant to provide some form of literature in which the Examiner is able to determine the patentability of the invention being made. In response, Applicants herewith submit as Appendix A, pages 252-254 from Handbook of Pharmaceutical of Excipients, Ainley Wade and Paul Weller, eds., 2nd Edition, 1994, ISBN 0 91730 66 8, where "Tablettose" is described. Essentially, Tablettose is lactose monohydrate. In view of new claims 26-48 and the above arguments, Applicants assert that the rejections under 35 U.S.C. §112, second paragraph have been overcome. Therefore, Applicants respectfully request that the rejections be withdrawn.

2. The Rejections Under 35 U.S.C. §103

Claims `1-25 have been rejected under 35 U.S.C. §103 as being unpatentable over Hulin in view of Alvarez et al. Specifically, the Examiner states:

Hulin teaches a pharmaceutical composition in the form of a tablet, powder of capsule comprising propionic acid derivatives or their pharmaceutically acceptable salts, in combination with a pharmaceutically acceptable carrier for

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use in the treatment of hypoglycemia and hypercholesterolemia associated with diabetes (see reference column 1, lines 15-47); (column 5, lines 7-40); (column 11, lines 41-68); column 12, lines 1-25) and see examples. The composition is provided in blood glucose lowering effective amount. Furthermore, additional components such as flavorants, sweeteners and explicitly disclose the use of an antioxidant in his formulation. It is the position of the Examiner that one of the ordinary skill in the art would include an antioxidant agent or preservative in their formulation to prevent oxidation or degradation of a compound composition. Such skill is also evident from the reference of Alvarez et al.

Alvarez et al. disclose a pharmaceutical composition comprising propionic acid derivatives and their pharmaceutically acceptable salts for oral administration wherein the tablet composition can comprise an antioxidant, such as tocopherol acetate (vitamin E) and the like. In addition, various excipients, fillers, disintegrants, lubricants, flavoring agents and coloring agents can also be formulated in the composition. The additives disclosed, for example, are microcrystalline cellulose, starch, pregelatinized starch, lactose, magnesium stearate, stearic acid, talc and colloidal silica (see entire reference, especially column 3, lines 45-60) and (see examples).

Therefore, it would have been obvious to one of ordinary skill in the art of the time the invention was made to use the formulation of Alvarez et al. with Hulin to obtain a stabilized pharmaceutically composition, comprising propionic acids and their acceptable salts in combination with antioxidants, with the expected results of the highly effective oral composition, enhanced by decreased oxidation for use in the treatment of diabetes.

Instant claims 20-25, provide for specified percentages. There is no criticality seen in the specified ratios of the additives and excipients. [(The prior art teaches the generic concept of including such ingredients (excipients, additives, fillers, lubricants)] and it is deemed obvious that one of the ordinary skill in the pharmaceutical art would determine suitable percentages through routine and conventional experimentation

Applicant respectfully traverses the rejection. Contra to the Examiner's assertion, it would not have been obvious to use the formulation of Alvarez et al. with Hulin to obtain a stabilized pharmaceutical composition, comprising propionic acids and their acceptable salts in combination with antioxidants, with the expected result of a highly effective composition for a number of reasons.

First, there was no suggestion in either of the cited references of formulating compositions with water content of below 1%. There was actually no concern expressed in either of the recited references regarding mixing the active ingredient with excipients having a water content of below about 1%. It is stated in Hulin that the composition may be in liquid or solid form; it is not suggested that it would be advantageous for it to be in solid form. In columns 22 and 23 of Alvarez, water is used in formulating tablets. Use of water will destabilize the composisition. Furthermore, there was no suggestion in either reference regarding the advantages of formulating a composition with a low water content and obtaining the composition optionally under low vapour pressure and oxygen pressure.

Second, Applicants note that the structures of the compounds encompassed by Hulin and Alvarez are very different from (-) 3-[4-[2-phenoxazin-10-yl)ethoxy]phenyl]-2-ethoxypropanoic acid. For Examiner's reference, the structure of (-) 3-[4-[2-phenoxazin-10-yl)ethoxy]phenyl]-2-ethoxypropanoic acid is shown below.

Columns 3 and 4 of Hulin and columns 1 and 2 of Alvarez are attached hereto as Appendix B. The compounds of Hulin and Alvarez do not contain a phenoxazine ring and would thus presumably have very different properties. Therefore, to one of ordinary skill in the art, it would not be obvious that various salts and excipients that could be used to formulate the compositions of Hulin and Alvarez could be used to obtain the compositions of the present invention. Given the differences between the compounds disclosed in Hulin and Alvarez and (-) 3-[4-[2-phenoxazin-10-yl)ethoxy]phenyl]-2-ethoxypropanoic acid, it would not be obvious to combine the disclosures of Hulin and Alvarez to obtain the compositions of the present invention.

In view of the above arguments, Applicants assert that the rejections under 35 U.S.C. §103 have been overcome. Therefore, Applicants respectfully request that the rejections be withdrawn.

4. Conclusion

In view of the above, it is respectfully submitted that all claims are in condition for allowance. Early action to that end is respectfully requested. The Examiner is hereby invited to contact Cheryl H. Agris by telephone at (914) 712-0093 if there are any questions concerning this amendment or application.

Respectfully submitted,

Date: 9/27/02

Cheryl HOAgris, Reg. No. 34,086

Counsel for

Novo Nordisk Pharmaceuticals, Inc.

100 College Road West Princeton, NJ 08540

APPENDIX A

252' Loctose

Lactose

1. Neoproprietary, Names

BP: Lactose monohydrate
PhEur: Lactose monohydrate
USPNF: Lactose monohydrate
Note that the USPNF XVII (Suppl 9) also contains a
manograph for anhydrous lactose, are Sections 9 and 19.

2. Synonymu

Fave-Flo; 4-(f-D-galactosido)-to-gluctuse; Lactorhem; Microtase; milk sugar; Phormature; sacchurum lactis; Tablettase; Zeparox.

3. Chemical Name and CAS Ragistry Number

O-β-D-Galectopyranosyl-(1~4)-α-D-glucopyranose anhydrous [63-42-3]
O-β-D-Galectopyranosyl-(1~4)-α-D-glucopyranose monohydrate [64044-51-5]

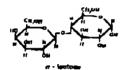
4. Empirical Formula

C¹¹H²¹O¹¹.H²0

Molecular Weight

342.30 (anhydrous) 360.31 (monohydrate)

5. Structural Formula



6. Functional Category

Tablet and capsule diluent.

7. Applications in Pharmaceutical Formulation or Technology

Lactose is widely used as a filler or diluent in tablets, capsules, and to a more limited extent in lyophilized products and infant load formulas. (1-15)

Spray-dried factose was first developed over 30 years ago for use in solid dosage pharmaceutical formulations. Today, many other lactose grades are commercially available, including anhydrous a factose, a factose monohydrate, and to a minor extent, enhydrous \(\beta\)-factose.

Oencrally, the grade of lactose chosen is dependent on the type of dosage form being developed. Direct compression grades are often used to carry small quantities of drug and this permits tablets to be made without granulating.

Direct compression grades of lactose are more fluid and more compressible than crystelline or powdered lactose and are senerally composed of sursy-dried factoses which contain specially prepared dure in-lactose monohydrate along with a small amount of amorphous lactose. The amorphous factose improves the compression forec/hardness profile of the lactose. Other specially produced direct compression grades of lactose do not comain amorphous material but may contain glassy or vitrous areas which impart improved compressibility. Direct compression grades of lactose may also be combined with

microcrystalline exhibits or starch, and usually require a tablet lubricant such as 0.5% w/w magnesium stearate. The use of direct compression grades of lactose results in tablets of higher breaking strength than standard lactose. Concentrations of lactose generally used in these formulations are from 63-85%.

Various lactose grades are commercially available which have different physical properties such as particle size distribution and flow characteristics. This permits the selection of the most suitable material for a particular application, e.g. the particle size range selected for capsules is often dependent upon the type of oncapsulating machine used. Usually, fine grades of lactose are used in the preparation of tablets by the well granulation method or when milling duting processing is carried out, since the fine size permits better mixing with other formulation ingredients and utilizes the binder more efficiently.

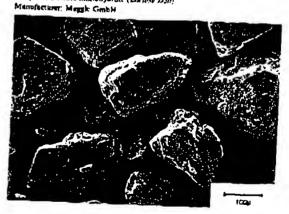
Other applications of factose include as a carrier/diluent for inhalation products and in hyphilized products, where factose is udded to freeze-dried solutions to increase plug size and aid caking. Lactose is also used in combination with sucrose (approximately 1:3) to prepare sugar-coating solutions.

8. Description

White to off-white crystalline particles or powder. Lactose is odorless and slightly sweet-tasting; n-hactose is approximately 15% as sweet as aucrose, while \(\eta\)-hactose is sweeter than the aform.

Several different forms of factors are commercially available; anhydrous refactors, reflectors monohydrate, and to a lesser extent, unhydrous p-factors which typically contains 70% anhydrous p-factors and 30% anhydrous reflectors, although grades containing a greater quantity of anhydrous p-factors are also available, e.g. Pharmator DCL 21 (DMV International), n-Luctors may also contain a small quantity of the p-form.

SEM: I Pedplent: Lucrose inonohydrate (Locuete 1930)



Lactose 353

SEM: 2 Exciplenti Lactore monthydrate (Lacuse Gluo)



SEM; 3 Encipient: Labienc monohydruse (Tubicrotus) Manufacturer: Maste GmbH



SEM: 4 Exceptant: Lactors monohydrate Hospius sumulty depte feld) Manufacturer, Chart International Inc (Shoffleld Products) Lot No.: SEA-13 (9 NJ 16) Magnification: 120s Volume: 20 LV



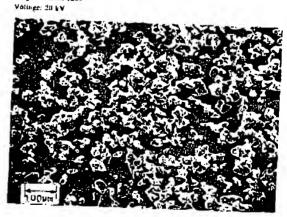
SEM: 5

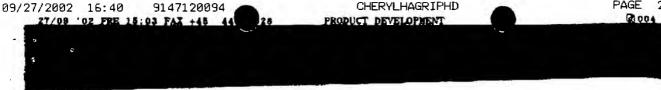
Exceptent: Lacture monohydrate (Lacrosc mountedacte 20,5) Munufacturer: Quest International Inc (Sheffleid Products) Los No. MA-12 19 NK 18) Magailleadon: 1204 Voltage: 20 &v



SEM: 6

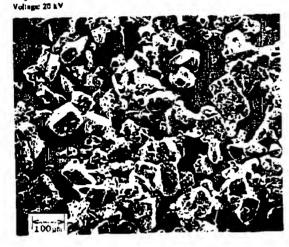
Exception: Lacture mostly drate (fait town monotrobine SHM) Manufactures: Quest International Inc (Sheffield Producte) Los No.: 58A-11 (9 NI, (8) Mugnithenton: 120x





254 Luciuse

SEM: 7 Exciplent: Luctore monolistrate (Carina manchydrate empadatling) Manufacturer Quest International Inc (Sheffield Products) Lot No.: SRA-10 (4 NL 30) Magnification: 120x



SEM: N riscipient: Lacrose menohydrate (Lautitie numbriffitte pipolpublic) Manufacturer: Otest International Inc (Shelffeld Products) Los No.: 38A-14 (9 NH 22) Magnification: 120x



9. Pharmacopolel Specifications

Test	PhE:# 1994	USPNF XVII (Suppl 9)	
Iden(fication	+	ŀ	
Appearance of solution	+	+	
Specific rotation (anhydrous hasis)	+ 54.4" to + 55.9"	+ 54.8° to + 55.5°	
Microbial limits	100/2	100/g	
Addity or alkalinity	+	+	
Loss on drying			
Anhydrous form	_	≰ 0.1%	
Monohydrate	_	4 0.5%	
Water			
Anhydrous form		< 1.0%	
Monohyúrate	4,5-5,5%	4,5-5,5%	
Residue on Ignition	_	≤ 0.1%	
Sulfated with	G 0.1%	_	
Heavy motals	⊊ ≯ppm.	≼ 5 ppnt	
Organic volutile impurities		†	
Protein and light-absorbing impurities	+	+	

10. Typical Properties

Angle of repose; see Table 1. Compressibility, see HPE Deta-

Dennity: 1.540 for relactose monohydrate:

1.589 for anhydrous B-luctose.

Density (bulk); see Table I and HPE Data.

Density (tapped), see Table I and HPE Data.

Flowability: see HPE Data.

Hygroscopicity: lactore monohydrate is stable in air and is unaffected by hamidity at room temperature. However, the amorphous form, depending upon how it is dried, may be affected by humidity and can be converted to the monohy-drate. See also HPE Data.

Melting point: 201-202°C for a-lactose monohydrate;

223°C for anhydrous α-lactose;

252.2°C for anhydrous B-lactose.

Maisture content: anhydrous lactose normally contains up to 1% w/w water. Luctose monohydrate contains approximately 5% w/w water of crystallization and normally tanges between 4,5-5,5% w/w water content. See also Table I and MPE Date. Osmolarity: n 9.75% w/s aqueous solution is iso-osmotic with

Purticle size distribution: see Table II. Solubille:

Solvent	Solubility at 25°C			
	Unice otherwise stated			
Chloroform	practically insoluble			
Ethano!	practically insoluble			
Ether	practically insoluble			
Water	1 in 4.63			
	1 in 3.14 at 40°C			
	I in 2.04 at 50°C			
	1 (n. 1.68 at 60°C			
	l in 1.07 at 90°C			

Specific retainin (trip " + 54.8" to +55.5" for unhydrous lactose, as a 10% w/v aqueous solution.

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Lactose 255

Table is Typical physical properties of selected commercially available luctures.

Sapplier/Grade	Angle of	Density (g/cm²)	Density (g/cm²)	Specific surface	Water
	repose (*)	B alk	Yapped	area (m²/g)	coatent (%)
Barculo Whey Products					
(Lactochem)					
Microfine	_	_			
Zeparat"	_	9,6-0,7	_	_	€ 5.5
DMV International		41 ,	_	_	€ 55
Pharmatoxe 50M	36	0,80	0.95		
Pharmujose 80M	38	0.76	0.91	-	5,2
Pharmainse 90M	19	0.76	0.91		5.2
Phermique 100M	39	0.75	0.90	_	5,2
Phyrmatogr 110M	40	0.73	0.89	• •	5.2
Plannatuse 125M	44	0.68	0.87 0.87	_	5.2
Phorniurose 150nd	_	0.58	0.89	-	5.2
Phormorose Zin M		0.55	0.85	0.45	5.2
Pharmornse 325M	≪ ()	0.67	0.84	0.50	5.3
Phormature 350M	<u>-</u> .	0.50	0.82	D.60	5,2
Phuraiotore 450M	_	0.47	0.77		5,2
Phaemaione DCL 1fth	31	0,61	0.73	1,0	5.2
Phumarase DCL 3(15)	39	0.67			4,8
Foremus Ingrediens Group	.,	9.47	0.83	0,35	0.5
Impalpable \$312	- .	0.53			
Impulpable #3/3		0.44	0.81	-	4.B-S.Z
Spray Process #315	_	0.67	Ó,7R		4.8-5.2
Fast-Flo 6316	_	0.58	0.78	_	4.8-5.2
Moggie GmbH		V30	0.79	_	4.H-5.2
Lacres DIO	35	0,50			
Lierase DIU	33	0.59	0,59	-	51
Lucian D30	34	0.73	0.68	_	5.3
LIETUAT OK	-	0.72	0.85		5,1
Larner 5200	_		0.67		5.1
Microtase	_	0.46 0,34	0.51	-	5,1
Tablesiuse	32		0.41		5.)
Durst International Inc	3 2	0,53	0.65		5.1
Shefffold Products)					
Mainhydrate 605					
Monnhydrary HUS	•	_	_	•	€ 5.5
Monthydrute XIIM	_		·· ·	_	€ 5.5
Afonohydrate Consulating			_	•	< 5.S
Monohydraic Impalgable	_		_	 -	€ 5,5
Anhydrous Direct Tombeling		**	d ,	_	€ 5,5
Anhydrous 6014		-			4 1.0
Anhydrous BUM	_	•	•	_	5 1.0
Anny drains Impulpable	-	-	_ ,	•	€ 1,0
with the second section of the second	_	•	• .		€ 1.0

Note:

21

u. Direct compression grade of tectors.

b. Spray-dried lactors monohydrate.
c. Anhydrous factors containing 82% Alectors.
Unless otherwise scated all of the above grades are alectors monohydrate.

APPENDIX B

PHARMACEUTICAL COMPOSITION

This is a continuation of U.S. patent application Scr. No. 07/780,664, filed Oct. 18, 1991, which is now abandoned which is a continuation-in-part of Scr. No. 07/683,663 filed 5 Apr. 15, 1991, now abandoned.

TECHNICAL FIELD

A pharmaceutical composition is disclosed for populominetic compounds which are inhibitors of renin. In particular, the composition comprises a tablet comprising the renin inhibitor and a pharmaceutically acceptable organic polycarboxylic acid. The tablet can also comprise one or 2

higher than that exhibited by the conventional tablets and powder filled capsules mentioned above.

more pharmacourically acceptable non-louic surfactants.

BACKGROUND OF THE INVENTION

The ability to erally administer peptide or peptide-like thempeutic agents has been a long-manding goal of plus-inscending local plus-inscending macarch. For example, many effects have been made to develop an oral decage force for insulin. Unfortunately, these effects have been unaucressful.

Properties which make peptides difficult to administer of crally include their susceptibility to ensymmic degradation in the digestive tract and the fact that some peptides are not readily transported from the digestive system into the blood stream. As a result of these problems, it is difficult to achieve desired blood levels of peptides or peptide-like therapeutic agents with relatively low cral doses and a relatively low number of oral doses per day.

Methods used to overcome the shilty of peptides to be enzymatically degraded and to improve absorption into the blood stream from the digestive tract have included making so enalogs which are less peptide-like in attructure and which are reduced in size (i.e., molecular weight). Such methods are decored to be successful when the peptide analog achieves astisfactory blood levels after oral administration.

The above-mentioned exchaigues have been applied to 15 preparing analogs of the peptide substrate of the enzyme renia. Small, peptide-like molecules have been prepared which show efficacy in lowering blood pressure. For example, compound I (shown below) reduces blood pressure in salt depleted dogs after oral or intravenous administration. 60 However, the bicavaillability on oral dosing (to fasted dogs) of salts of compound I as a standard tablet or powder filled capsule compound I as a standard tablet or powder filled capsule compositions (see Resupple 12, compositions \$1-\$5) is about 9 to 44%. To be able to administer the compound at the lowest possible dose and lowest frequency of dusing, it would be proferrable if the oral bicavaillability of compound I and its pharmaceutically acceptable salts was

DISCLOSURE OF THE INVENTION

In accordance with the present invention there is a pharmaceutical tablet composition comprising a compound of the formula (II):

45 Wherein

R₁ is 4-piperazinyl, 1-methyl-4-piperazinyl, 1-methyl-1axo-4-piperazinyl, 2-oxo-4-piperazinyl, 4-morpholinyl, 4-thiomorpholinyl ar 1-methyl-4-homopiperazinyl;

R₂ is benzyl, p-methoxybenzyl, 2-phonylethyl, 1-naphthylmethyl or 2-naphthylmethyl;

R₃ is 4-thiszolyl, 2-amino-4-thiszolyl, 2-thiszolyl, 5-thiszolyl, 1-pyrazolyl, 3-pyrazolyl, 1-imidazolyl, n-propyl, isopropyl, CH₂S— or CH₃SCH₂—;

R4 is lowerslkyl or cyclopropyl;

R_s is hydrogen or lowernikyl; and

X is CH₂ or NH; or a pharmaceutically acceptable sait, cater or produce thereof, and a pharmaceutically acceptable organic polycarboxylic acid. In addition, the tablet composition can further comprise one or more pharmaceutically acceptable non-louic surfactants. When formulated as a tablet comprising a pharmaceutically acceptable organic polycarboxylic acid or a pharmaceutically acceptable organic polycarboxylic acid and one or more pharmaceutically acceptable non-ionic surfactants, the compound of formula (II)

5.306,726

Eggler et al., U.S. Pat. No. 4,703,052, disclose hypoglycemic thiszolidinediones of the formula

where the dotted line represents an optional bond, R/is H, methyl or ethyl, Xb is O. S. SO, SO2, CH2, CO, CHOH or NR!, Ris H or an acyl group and the numerous definitions of Rs, Rs, Rs and Rs include Rs, Rs and 15 R as hydrogen or methyl and R as optionally substituted phenyl, benzyl, phenethyl or styryl. EP 283.035A and EP 299,620A describe structurally related benzoxazole and benzoluran derivatives as antidiabetic agents.

Clark et al., in published World patent applications 20 W089/08650, W089/8651 and W089/08652 disclose hypoglyoemic thiszolidinediones which collectively include compounds of the type:

wherein -- represents a bond or no bond; W is O. 35 CO, CH2, CHOH, or -CH=CH-; s is 0, 1 or 2; X* is S, O, NR", -CH-CH-, -CH-N-or-N-CH-; and Yo is CH or N.

SUMMARY OF THE INVENTION

The present invention is directed to compounds having the formulas

$$Z \xrightarrow{\chi} Z^{1} COY^{1}$$

$$Z \xrightarrow{\chi^{1}} X^{1}R$$
(1)

wherein A is

continued

n is 0 or 1:

m is 0, 1 car 2; represents a bond or no bond;

R is (C1-C1)alkyl, (C1-C1)cycloalkyl, (C1-C1)alkenvi. (Cr-Calalkynyi, phonyi, (Cr-Ca)phonyialkyi. (C2-C4)alkanoyl, or one of said groups mono- or disubstituted with (C1-C1)alkyl, trifluoromethyl, hydroxy, (C1-C3)alkoxy, fluoro or chloro;

W is O, CO, CH2, CHOH or -CH=CH-; X & S, O, NR, -CH=CH-, -CH=N- or -N= CH-:

Ris hydrogen, (Ci-Ci)alkyl, phenyl or benzyl; Y is CH or N:

Z is H, amino, (C1-C7)alkyl, (C3-C7)cycloslkyl, phenyl, or phenyl mono- or disubstituted with (C1-C3)alkyl, trifluoromethyl, (C1-C3)alkoxy, phenyl, phenoxy, benzyl, benzyloxy, fluoro or chloro;

Z1 is hydrogen or (C1-C3)alkyl; Xis O, S, SO or SO2; and

Y' is hydroxy, (C1-C3)alkoxy, phenoxy, benzyloxy, amino, (C1-C4)alkanoylamino, (C1-C4)alkanesulbenzeneiulfonylamino. fon ylamino, thelenesulfonylamino, di[(C1-C3)slkyf]aminosulfonylamino, or one of said groups mono- or disubstituted with (C1-C3)alkyl, trifluoromethyl, hydroxy, (C1-C3)alkoxy, fluoro or chloro;

the pharmaceutically-acceptable cationic salts thereof when Y is hydroxy; and

the pharmaceutically-acceptable acid addition salts thereof when the compound contains a basic nitrogen alom.

In the preferred compounds, the dotted line -) represents no bond. The preferred values of A are

1H-1-bestopynun).

60 The preferred values of W are O or CO. In their preferred values, X, Y, Z and Z! are taken in such manner as to form a 5-methyl-2-phenyloxazol-4-yl group.

In those compounds in which -– is not a bond. the carbon atom substituted by XIR and COYI is asymmetric, such that these compounds can be either racemic or optically active. Resolution of a racemic form into a pair of optically active enantomers is exemplified below, and the present invention is not to be narrowly